

METHODS AND MATERIALS FOR REDUCING DAMAGE FROM  
ENVIRONMENTAL ELECTROMAGNETIC EFFECTS

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**ABSTRACT OF THE DISCLOSURE**

Disclosed is a method of reducing damage  
resulting from environmental electromagnetic effects on a  
non-metallic surface. The method includes disposing a  
10 polymeric sheet material over the non-metallic surface  
and disposing a metal layer between the non-metallic  
surface and the polymeric sheet material. Objects which  
includes a substrate having a non-metallic surface, a  
halopolymer sheet material disposed over the substrate's  
15 non-metallic surface, and a metal layer disposed between  
the halopolymer sheet material and the substrate's non-  
metallic surface are also described. Laminates are also  
disclosed. One such laminate includes a metal layer  
having a first surface and a second surface, a  
20 halopolymer sheet material bonded or adhered to the first  
surface of the metal layer, and an adhesive disposed on  
the second surface of the metal layer. Another such  
laminate includes a halopolymer fabric having a first  
surface and a second surface, a metal layer bonded or  
25 adhered to the first surface of the halopolymer fabric,  
and an adhesive disposed on the second surface of the  
halopolymer fabric.